

Mace will repair or replace, without charge, any merchandise proved defective in material or workmanship for a period of one year after the date of shipment.

Exceptions to this warranty are as noted below:

Mace will warrant all replacement parts and repairs for 90 days from the date of Mace shipment. All goods requiring warranty repair shall be sent freight prepaid to Mace, Fort Lauderdale. Repairs made necessary by reason of misuse, alteration, normal wear, or accident are not covered under this warranty.

Mace assumes no risk and shall be subject to no liability for damages or loss resulting from the specific use or application made of the Products. Mace's liability for any claim, whether based on breach of contract, negligence, infringement of any rights of any party or product liability, relating to the Products shall not exceed the price paid by the Dealer to Mace for such Products. In no event will Mace be liable for any special, incidental or consequential damages (including loss of use, loss of profit and claims of third parties) however caused, whether by the negligence of Mace or otherwise.

If a warranty repair is required, the Dealer must contact Mace at (877) 585-6223 or (954) 585-6223 to obtain a Repair Authorization (RA) number, and provide the following information:

1. Model and serial number
2. Date of shipment, P.O. number, Sales Order number, or Mace invoice number
3. Details of the defect or problem

MACE Electronic Surveillance Products
 3233 SW 2nd Ave. Fort Lauderdale, FL 33315 USA
 toll-free(877)585-MACE
 local(954)585-6223 fax(954)585-6225
 www.mace.com



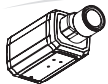
High Resolution Color Camera

Model : CAM94

Instruction Guide



MACE Electronic Surveillance Products

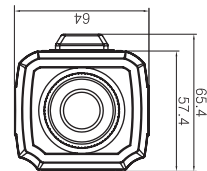
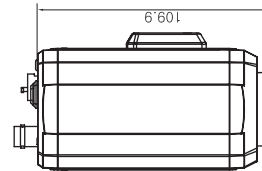
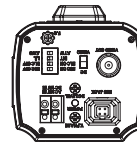


High Resolution Color CCD Camera

(*) Must use regulated & specified power supply

ITEM	NTSC	PAL
Image Sensor	1/3" Interline transfer type COLOR (SONY)	
Effective Pixels	768H X 494V (380K pixels)	752H X 582V (440K pixels)
Scanning System	525 Lines 2:1 Interlace	
Scanning Frequency	15.734KHz (H), 59.94Hz (V)	15.625KHz (H), 50Hz (V)
Resolution	525 TV-Lines	
Shutter Speed	1/60~1/100,000 sec.	1/50~1/100,000 sec.
S/N Ratio	More than 48dB (AGC OFF)	
Sync. System	Internal / Line Lock	
White Balance	AWB	
Min. Illumination	0.5 Lux / F1.2, 50 IRE	
Video Output	VBS 1.0 Vp-p (75Ω Load)	
Lens	C/GS MOUNT	
Power Supply(*)	AC24V / DC12V ± 10%	
Power Consumption	Max. 250mA (AC24V) / Max. 280mA (DC12V)	
Operating Temp.	-10°C ~ +50°C	
Operating Humidity	90% RH max.	

(unit : mm)



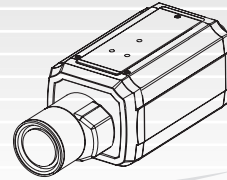
■ DIMENSION

- SONY 1/3" Super HAD Color Camera
- SONY SS-HQ1 Chip
- High Resolution of 525 TV-Lines
- BLC ON/OFF, ESC ON/OFF, Internal / Line Lock, AWB / ATW
- Auto Iris Function (Video/DC)
- Excellent Color Rolling Suppression
- Power Supply : AC24V / DC12V Dual Voltage

■ SPECIFICATIONS

■ FEATURES

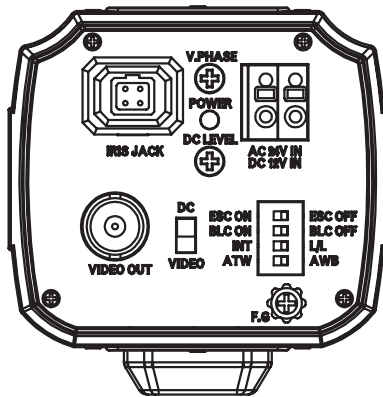
High Resolution Color CCD Camera



■ INSTALLATION PRECAUTIONS

- The mounting bracket must be mounted to a structured member such as a wall or ceiling after using suitable fastener by install guide.
- The maximum recommended load of the mounting bracket is 5Kgs.
- If user uses a over spec adaptor, then camera is not working.
- Adaptor Spec : AC 24V Class 2 power supply (AC24V/DC12V)

■ FUNCTION



AC24V / DC12V

- ESC ON / OFF
- BLC ON / OFF
- Internal / Line Lock
- AWB / ATW
- AUTO IRIS LENS (VIDEO / DC)

■ VIDEO- TYPE & DC TYPE AUTO IRIS LENS INSTALLATION AND ADJUSTMENT

The camera supports auto-iris lens.

To install and adjust a VIDEO or DC-type auto-iris lens, do the following:

- Thread the auto-iris lens onto the lens mount on the front of the camera.
- Solder the lens control wires to the connector (cf. Table 1)
- Plug the connector into the auto iris jack
- Select lens switch and set ESC mode to OFF
- Apply power to the camera

[TABLE. 1 : PIN CONFIGURATION OF AUTO-IRIS JACK]

Pin	VIDEO-TYPE	DC-TYPE
1	Voltage +	Damp Coil -
2	Open	Damp Coil +
3	Video	Drive Coil +
4	Ground	Drive Coil -

[FIG.1 : AUTO-IRIS LENS CONNECTION CONFIGURATION]

